

INTEGRATED TRAILER-ECU-GENERATOR (ITEG)

NSN: 2330-01-556-9648

TAMCN: B0018

ID: 11490A



Functional Description

The Integrated Trailer-Environmental Control Unit (ECU), Generator (ITEG) is an integrated HMMWV-towable unit that is designed to support highly mobile command and control systems and other forward-deployed operations centers and activities that displace often and have limited access to external power sources. The generator produces 22kW of electrical power (maximum of 9 kW for external use) and can parallel with other GET units and the MEP-805B Tactical Quiet Generator. The ECU provides complete environmental air conditioning including cooling, heating, ventilation, and filtering and has a nominal cooling capacity of 120,000 BTU/hr and a nominal heating capacity of 47,000 BTU/hr. The integral trailer is based on the standard M1102 trailer chassis designed with high ground clearance and run flat tires.

Technical Description

Unit

Manufacturer:

GDC4S

Model:

GET Spiral 1

Fuel

Fuel Capacity:

19.7 Gal

Fuel Consumption:

2.5 GPH

Fuel Requirement:

Diesel/JP-8

Generator

Frequency (Hz):

60

Voltage/Phase:

208VAC/3 phase

Wires:

4-Wire

Max Power:

22 kW

Min Export Power:

7 kW

Dimensions

Length (in.):

169.3

Width (in.):

86.6

Height (in.):

77.5

Weight (lbs.):

3910 (wet)

Volume (ft³):

624

ECU

Cooling (BTU/hr):

120,000

Heating (BTU/hr):

47,000

Duct Size:

(2) 12 in. for Supply
(1) 18 in. for Return

Refrigerant:

R-22

Design Ambient Temp:

131°F

Min Ambient Cooling:

75°F

Min Ambient Heating:

-24°F

Trailer

Gross Weight Max:

4200 lbs

Available Payload:

290 lbs

Alternate Models

No USMC alternate models.

Replaced Items

No USMC items replaced.

Transportability

Towable by HMMWV.